Rec'd PCT/PTO 16 JUL 2004

PCT

10/901537

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

			(FUT Article	36 and	Hule 70		ī
				•	REC'D 2	6 MAR 2004	
Applicar	of or o	gent's file reference			WIPO	PCT	
P1314	1PCD	K	FOR FURTHER	ACTION	See Notification	on of Transmittal of Inte xamination Report (For	⊢
		plication No.	International filing da	ate (day/mont/	h/year)	Priority date (day/m	Onthiveer)
PCT/DK 03/00030		17.01.2003	17.01.2003		17.01.2002	17.01.2002	
F28D9	onal Pa /00	tent Classification (IPC) or b	oth national classification	on and IPC			
Applican YORK		IIGERATION APS et al	l.				
1. Th	nis inte uthority	rnational preliminary exar and is transmitted to the	mination report has b applicant according	een prepare to Article 36	ed by this Inte	rnational Preliminar	y Examining
2. Th	is REF	PORT consists of a total o	of 5 sheets, including	this cover s	sheet.	-	
□	(se	s report is also accompanen amended and are the be Report Rule 70.16 and Section Reves consist of a total o	607 of the Administr	e. sheets of nd/or sheets rative Instruc	the description containing restions under t	on, claims and/or dra ectifications made be he PCT).	wings which have fore this Authority
3. Thi	is repo ⊠	rt contains indications rela Basis of the opinion	ating to the following	items:			
i		Priority					
m		•	ninion with rogard to				
IV		Non-establishment of o	on	noverty, inve	entive step ar	nd industrial applical	oility
٧	Ø	Reasoned statement un citations and explanatio	nder Bule 66 2/a\/ii\ ı	with regard to	o novelty, inv	entive step or indus	trial applicability;
VI		Certain documents cited	d				
VII		Certain defects in the in	ternational applicatio	n	•		
VIII		Certain observations on	the international app	olication			
Pate of cut		n of the demand					
Jako 01 301	J1111551U	ii oi die demand		Date of co	mpletion of this	report	
08.08.2003				25.03.20	04		
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	examir Euro	ning authority:			CHICGI		offiches Pelemen.
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/DK 03/00030

 Basis of the re 	n	ort
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1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	De	scription, Pages					
	1-1	1	as originally filed				
	Cla	ims, Numbers					
	1-1	0	as originally filed				
	Dra	awings, Sheets					
	1/3-	-3/3	as originally filed				
2. V	Wit lan	With regard to the language , all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.					
	The	ese elements were av	ailable or furnished to this Authority in the following language: , which is:				
		the language of a tra	anslation furnished for the purposes of the international search (under Rule 23.1(b)).				
			lication of the international application (under Rule 48.3(b)).				
		the language of a tra Rule 55.2 and/or 55.	anslation furnished for the purposes of international preliminary examination (under 3).				
3. W in	Wit inte	h regard to any nucle rnational preliminary	ectide and/or amino acid sequence disclosed in the international application, the examination was carried out on the basis of the sequence listing:				
		contained in the inte	rnational application in written form.				
		filed together with th	e international application in computer readable form.				
		furnished subsequer	ntly to this Authority in written form.				
		furnished subsequently to this Authority in computer readable form.					
		The statement that t in the international a	he subsequently furnished written sequence listing does not go beyond the disclosure application as filed has been furnished.				
		The statement that t listing has been furn	he information recorded in computer readable form is identical to the written sequence ished.				
4.	The	amendments have r	esulted in the cancellation of:				
		the description,	pages:				
		the claims,	Nos.:				
		the drawings,	sheets:				

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

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This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).
TI be

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

3-10

No:

Claims 1,2

Inventive step (IS)

Yes: Claims

No: Claims

3-10

Industrial applicability (IA)

Yes: Claims

1-10

No: Claims

2. Citations and explanations

see separate sheet

Re Item V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Claim 1

Clarity (Art. 6 PCT) 1.1

Claim 1 defines that a submerged evaporator is contained in a casing, defining therewith a relationship between different physical entities. It is not clear wether protection is sought for all the features defined in the claim or only for the submerged evaporator. The intended limitations are therefore not clear from this claim, contrary to the requirements of Article 6 PCT.

Therefore, the application does not meet the requirements of Article 84 EPC, because claim 1 is not clear.

Further examination is performed assuming that the subject-matter of claim 1 is a casing comprising (emphasis added) a submerged evaporator.

1.2 Novelty (Art. 33(2) PCT)

Document EP-A-0 758 073, cited in the description, already discloses a casing comprising a submerged evaporator and at least one integrated plate heat exchanger, where the integrated plate heat exchanger has at least one inlet connection and at least one outlet connection for a secondary refrigerant, where the plate heat exchanger is disposed at the bottom of the casing, where a primary refrigerant may flow around the plate heat exchanger and a secondary refrigerant may flow through the plate heat exchanger, and where the uppermost part of the casing is used as a liquid separator and whereby the integrated plate heat exchanger is integrated with the evaporator (the heat exchange section is completely inside the casing and only the reverse chambers extend to the outside of the casing) and made with an outer contour that substantially follows the lower contour of the casing and the liquid level of the primary refrigerant (cf. Figures 1 and 2 and the corresponding description).

EXAMINATION REPORT - SEPARATE SHEET

Therefore, the present application does not satisfy the criterion set forth in Article 33(2) PCT because the subject-matter of Claim 1 is not new.

2. Claim 2

Above cited document also discloses the features of claim 2, i. e. that the longitudinal sides of the plate heat exchanger are closed for inflow or outflow of the primary refrigerant between the plates of the plate heat exchanger, and that in the bottom of the plate heat exchanger there is provided at least one opening through which the primary refrigerant flows in between the plates of the plate heat exchanger.

Therefore, claim 2 also does not satisfy the criterion set forth in Article 33(2) PCT.

3. Claims 3 to 10

Dependent claims 3 to 10 relate to minor constructional features, like the longitudinal guide plates, the pattern of guide grooves or the suction manifold disposed in the "dry" part, which insofar as not revealed in the prior art come within the scope of the customary practice followed by persons skilled in the art, especially as the advantages thus achieved can be readily contemplated in advance. Consequently, the dependent claims 2 to 10 do not appear to contain any additional features which, in combination with the features of any claim to which they refer, involve an inventive step.

Therefore, dependent claims 3 to 10 do not satisfy the criterion set forth in Article 33(3) PCT.